

Title (en)
ULTRASONIC MEASURING DEVICE

Title (de)
ULTRASCHALLMESSVORRICHTUNG

Title (fr)
DISPOSITIF DE MESURE ULTRASONIQUE

Publication
EP 2924428 A1 20150930 (EN)

Application
EP 15160268 A 20150323

Priority
JP 2014061552 A 20140325

Abstract (en)
An ultrasonic measuring device includes a mounting member, a support unit, a plurality of ultrasonic element array units, a plurality of actuators, and a control unit. The mounting member is configured and arranged to be mounted on a test subject. The support unit is fixed on the mounting member. The ultrasonic element array units are supported on the support unit. The actuators are operatively coupled respectively to the ultrasonic element array units. Each of the actuators is configured and arranged to individually displace a corresponding one of the ultrasonic element array units with respect to the support unit. The control unit is configured to control the ultrasonic element array units to transmit and receive ultrasonic waves, the control unit being further configured to control the actuators.

IPC 8 full level
A61B 8/00 (2006.01); **G01N 29/22** (2006.01)

CPC (source: EP US)
A61B 8/0891 (2013.01 - EP US); **A61B 8/42** (2013.01 - US); **A61B 8/4227** (2013.01 - EP US); **A61B 8/4254** (2013.01 - EP US); **A61B 8/4444** (2013.01 - US); **A61B 8/4477** (2013.01 - EP US); **A61B 8/4494** (2013.01 - EP US); **A61B 8/485** (2013.01 - EP US); **A61B 8/54** (2013.01 - EP US); **G01N 29/223** (2013.01 - EP US); **A61B 8/5253** (2013.01 - EP US); **G01N 2291/02483** (2013.01 - EP US); **G01N 2291/106** (2013.01 - EP US)

Citation (applicant)
JP 2004187885 A 20040708 - COLIN MEDICAL TECHNOLOGY CORP

Citation (search report)
• [I] EP 2113201 A2 20091104 - IVU IMAGING CORP [US]
• [I] US 2012307590 A1 20121206 - FARUQUE JESSICA SUZANNE [US]
• [I] US 2007078345 A1 20070405 - MO JIAN-HUA [US], et al
• [IP] US 2014236051 A1 20140821 - KIM SANG-HYUN [KR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2924428 A1 20150930; CN 104939868 A 20150930; JP 2015181767 A 20151022; US 2015272545 A1 20151001

DOCDB simple family (application)
EP 15160268 A 20150323; CN 201510131372 A 20150324; JP 2014061552 A 20140325; US 201514666632 A 20150324